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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/865,721	05/29/2001	Philippe Desblancs	Q64634	5945

7590 12/03/2004  
SUGHRUE MION ZINN MACPEAK & SEAS, PLLC  
2100 Pennsylvania Avenue, NW  
Washington, DC 20037-3213

EXAMINER
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IYER, RAMAKRISHNA R

ART UNIT	PAPER NUMBER
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2663

DATE MAILED: 12/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**Application No. **09/865,721**Applicant(s) **DESBLANCS ET AL.**Examiner **Raju Iyer**Art Unit **2663**

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 29 May 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4, 8, 10-13 and 17 is/are rejected.
- 7) ☒ Claim(s) 5-7, 9, 14-16, 18 and 19 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on May 29 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Specification***

1. The use of the word "synchronization" by itself in the title, specification and claims, is misleading, since the content primarily deals with allocation of time slots (or other aspects of the shared resource) to resolve contention in the use of the resource. The examiner feels that a term such as " Synchronized contention resolution and burst timing allocation in the operation of two or more interfaces" may be more appropriate for the title. Similar changes should be made (as appropriate) in the body of the specification as well as in the claim language. Appropriate corrective action in this regard is required.

2. The word "monodirectional" (page 2, line 12) should be changed to "unidirectional".

3. On page 7, in the description of the device, line 17 alludes to a "method". This is confusing and should be clarified.

### ***Claim Objections***

4. Claim 1 is objected to because of the following informalities: it is not clear how "at least two external interfaces" (line 4) relate to the method being described. The language should be modified so that the relationship of the method to the operation of "the interfaces" is clear.

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5. Claim 2 recites the limitation "two interfaces" in lines 1 and 4. There is insufficient antecedent basis for this limitation in the claim – it should be listed as "two or more interfaces".

6. Claim 12 is objected to because of the following informalities: reference is made incorrectly to "Claim 1" instead of "Claim 10". Appropriate correction is required.

***Claim Rejections - 35 USC § 102***

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

8. Claims 1-4, 8, 10-13, and 17 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 5,732,076 ("Ketseoglou et al").

9. Regarding Claims 1 and 10, Ketseoglou et al disclose an "integrated base station" (Fig. 13 and Fig. 25) comprising two interconnected base stations with two sets of external wireless air interfaces for interconnecting to mobile or fixed units using a TDD protocol (e.g. DECT network) and a FDD/TDMA protocol (e.g. GSM network), and capable of establishing bidirectional transmission links between the two networks. Ketseoglou et al further disclose that the TDD base station (Col. 31, 28-41) has a GPS

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receiver and a clock generator (master node in its network) while the GSM base station is allocated time slots by a Base Station Controller (Col. 25, lines 35 – 41) functioning as a slave node in its network. Ketseoglou et al also disclose that the time slot allocations for the two base stations in the integrated base station are made dependent on one another, with specific time periods for use of the shared resource, and that one of them (e.g. GSM) could set the prioritizing scheme for allocation of slots (Col. 32, lines 24-34). Therefore all the limitations described in Claims 1 and 10 are judged to have been anticipated by Ketseoglou et al.

10. Regarding Claims 2, 8, 11 and 17, Ketseoglou et al disclose all the limitations of the claims as applied to Claim 1 and 10 above (paragraph 9) and teach explicitly that the integrated base station can interconnect two time division multiple access networks (GSM and DECT), and comprises the fixed base stations of both these networks (Fig. 13 and Fig. 25).

11. Regarding Claims 3 and 12, Ketseoglou et al disclose all the limitations of the claims as applied to Claim 1 and 10 above (paragraph 9) and further disclose that the two interfaces can operate independently in a synchronized fashion even when there is no communication between the two networks (Col. 25, lines 22 – 29).

12. Regarding Claims 4 and 13, Ketseoglou et al disclose all the limitations of the claims as applied to Claim 1 and 10 above (paragraph 9) and further disclose that the

two base station units in the integrated base station are "linked by a set of control signal lines" (Col. 31, lines 27-30), and that time slots can be allocated dynamically "according to user demand" (Col. 32, lines 24 – 27).

***Allowable Subject Matter***

13. Claims 5, 6, 7, 9, 14, 15, 16, 18 and 19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Conclusion***

14. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure (please see attachment).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Raju Iyer whose telephone number is (571) 272 6047. The examiner can normally be reached on weekdays from 7.00 a.m. - 4.00 p.m., except every other Friday

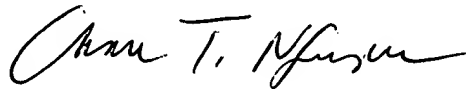
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau T. Nguyen can be reached on (571) 272 3126. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Raju Iyer



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